

ABSTRACT

A golf ball material comprises a heated mixture having
5 a melt index of at least 1.0 dg/min, which mixture is
composed of (A) a thermoplastic resin, (B) a fatty acid or
fatty acid derivative having a molecular weight of at least
280, and (C) a basic inorganic metal compound capable of
neutralizing acidic groups in components A and B. The
10 material including a highly neutralized ionomer resin has
good thermal stability, flow characteristics and moldability.
The invention is also directed at high-rebound golf balls
which can be easily and efficiently manufactured using the
same material.